

INTELLIFAX 8

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SECURITY INFORMATION
CENTRAL INTELLIGENCE AGENCY

REPORT NO. [REDACTED]

INFORMATION REPORT

CD NO.

COUNTRY Germany (Russian Zone)

DATE DISTR. 4 Dec. 1951

SUBJECT Development of an Infrared Speech Transmission
Apparatus

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ACQUIRED [REDACTED]NO. OF ENCLS.
(LISTED BELOW)DATE OF 25X1C
INFO. [REDACTED]SUPPLEMENT TO
REPORT NO. 25X1X

REFERENCE COPY

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COLLECTOR'S PRELIMINARY GRADING OF CONTENT

1. Zeiss-Jena has started the production of a communications instrument called a Lichtsprechgerät. The instrument operates as follows: The sound is transmitted through a microphone to a selenium cell which converts the sound to short waves (presumably infrared). These light waves are projected through a lens system to a receiver where the light waves are received in a selenium cell and reconverted to sound. This equipment can be used as either transmitter or receiver. It is a light portable field apparatus and intended chiefly for the use of infantry. It is mounted on a tripod and is powered by a dry battery.
2. The instrument resembles a small searchlight with an approximate diameter of 30 cm and an approximate length of 25 cm. The maximum range is approximately 500 - 700 meters. An ordinary telescope is fitted on the upper right hand side of the apparatus and is used for lining up one station with the other. The apparatus can be tuned to the wave length of the other transmitter or receiver.
3. The location of and the details concerning the firm producing the selenium cells is not known.

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Comment: [REDACTED] that Filmfabrik Wolfen would be the
logical producer.

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